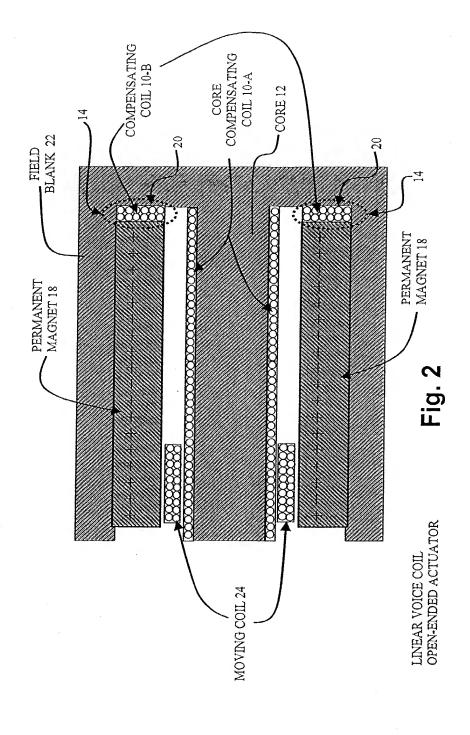


Applin. No. 09/817,925
for LINEAR VOICE COIL ACTUATOR...
Certificate of Mailing
Attorney Docket No. 2102483-906101
Gray Cary et al. –GTS/415-836-2500
Sheet I of 7



Sheet 2 of 7

Applin. No. 09/817,925
Gray Cary et al. –GTS/415-836-2500
Gray Cary et al. –GTS/415-836-2500
Gray Cary et al. –GTS/415-836-2500
Sheet 3

Compensating coil MMF (Ampere-turns) vs. stroke



Applin. No. 09/817,925

for LINEAR VOICE COIL ACTUATOR...

Certificate of Matiling
Attorney Docket No. 2102483-906101

Gray Cary et al. –GTS/415-836-2500

Sheet 3 of 7

COMPENSATING COIL MMF, AMPERE-TURNS

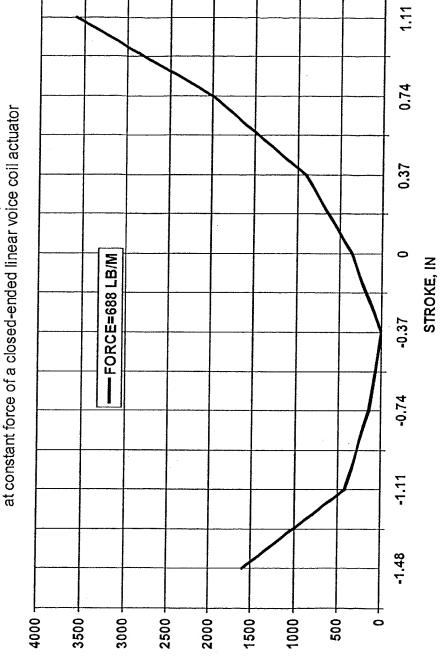
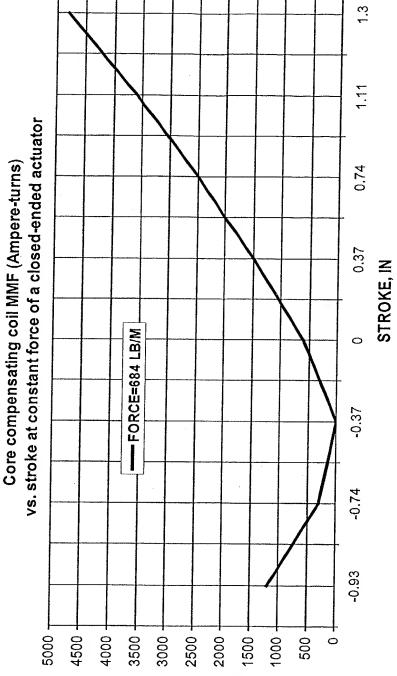


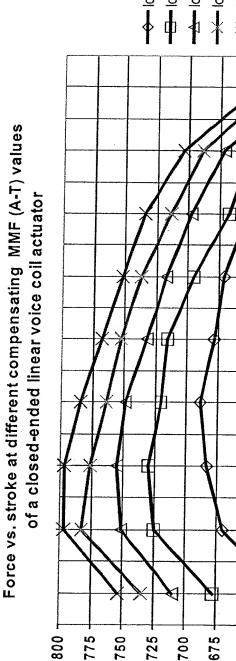
Fig. 3

Sheet 4 of 7 Gray Cary et al. -GTS/415-836-2500 Appln. No. 09/817,925

' for LINEAR VOICE COIL ACTUATOR...
Certificate of Mailing
Attorney Docket No. 2102483-906101
Attorney Docket No. 2102483-5000

4000 3500 2500 200 **ВИВРЕЯЕ-ТИВИЯ** CORE COMPENSATING COIL MMF,





→ lccNcc=3600 A-T -E-IccNcc=1200 A-T A-IccNcc=2400 A-T -X-IccNcc=4800 A-T 1.48 STROKE, IN -0.74 1.11 -1.48 650 009 550

Fig. 5

Sheet 5 of 7

Appin. No. 09/817,925

for LINEAR VOICE COIL ACTUATOR....
Certificate of Mailing
Attorney Docket No. 2102483-906101

Gray Caty et al. —GTS/415-836-2500

Shee

ЕОВСЕ ГВ/М

Force vs. stroke at different core compensating MMF (A-T) values of a closed-ended linear voice coil actuator

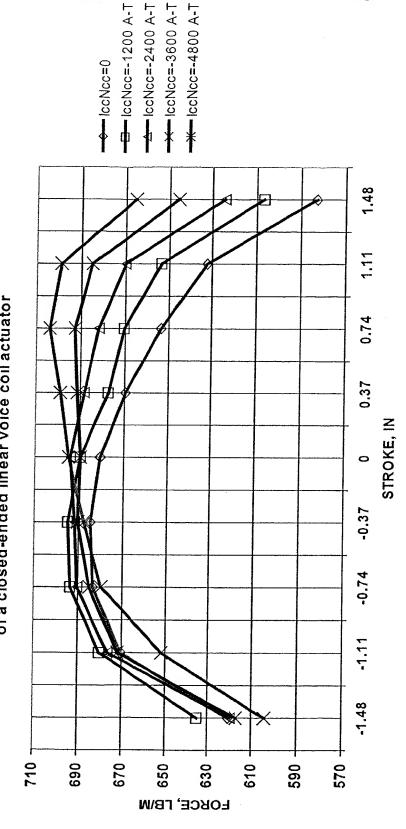
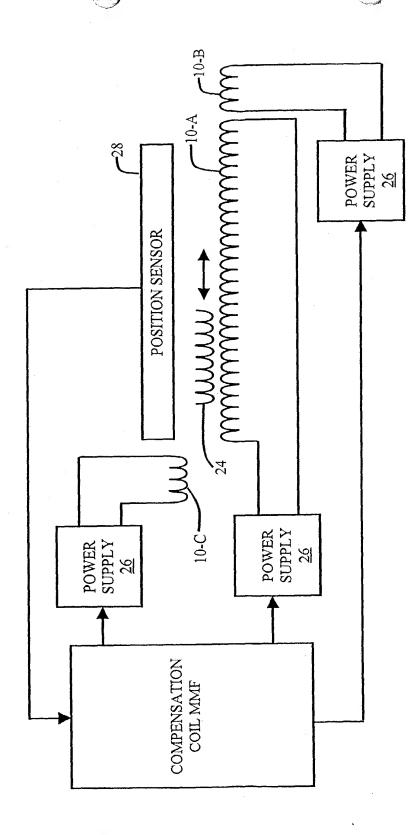


Fig. 6

Sheet 6 of 7

Appin. No. 09/817,925

for LINEAR VOICE COIL ACTUATOR...
Certificate of Mailing
Attorney Docket No. 2102483-906101
Gray Cary et al. -GTS/415-836-2500
Gray Cary et al. -GTS/415-836-2500



Fig

Applin. No. 09/817,925 Sheet 7 of 7 Sheet 7 of 7 Sheplin. No. 09/817,925 Sheet 7 of 7 Sheplin. No. 09/817,925 Sheet 7 of 7 Sheet 7 of 7 Sheplin. No. 09/817,925 Sheet 7 of 7 Sheet 7 Sheet 7 of 7 Sheet 7 Sheet 7 of 7 Sheet 7 of 7 Sheet 7 Sh